ATTORNEY DOCKET NO. 21105.0011U2 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
ROWE) Art Unit: Unassigned
Application No. 10/567,938 International Application No. PCT/US2004/030530) Examiner: Unassigned
Filing Date: February 9, 2006 International Filing Date: September 20, 2004) Confirmation No. Unassigned)
For: REGULATION OF TISSUE MINERALIZATION AND PHOSPHATE METABOLISM BY ASARM PEPTIDES)))

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.

Customer No. 23859

June 30, 2006

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. §1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

ATTORNEY DOCKET NO. 21105.0011U2 Application No. 10/567,938

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

Christopher L. Curfman, JD, PhD

Registration No. 52,787

NEEDLE & ROSENBERG, P.C.

Customer Number 23859

(678) 420-9300

(678) 420-9301 (fax)

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Christopher L. Curfman

74

361742_1.DOC

				Γ		Com	olete if Kno	wn
INFORMATION DISCLOSURE STATEMENT LIST		Ap	plication No.	10/567,	938			
			Fili	ng Date	February 9, 2006			
(Use as mar	ny sheets as necessary)			st Named Inventor	L_	Peter S.N.	
					oup Art Unit	Unassig		
					aminer Name	Unassig	<u></u>	
				<u> </u>		Unassig	ineu	
Examiner's	Cito No	Document No.		AIL	NT DOCUMENTS	01	Loui	Len Star
Initials	Cite No.	Document No.	Date		Name	Class	Subclass	Filing Date (if appropriate
	A1	2004/0053389	03/18/20		Rowe	435	196	
	A2	2003/064498	04/03/20		Rowe	435	196	
			FOREIG	N PA	TENT DOCUMENT	rs		
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number- Kind Code	Date		Name	Translatio Yes/No	n	
	A3	EP 1293568 A1	06/20/20	01	Kurokawa et al.			
	*		NON-I	PATI	ENT DOCUMENTS			
	A4	Agarwal and Knochel, 6 th ed., (2000), WB Sa	"Hypopho	spha			nia," In: Bre	enner & Rector's The Kidney,
	A5	Aisa et al., "Cathepsin			ts," Biochim Biophy	s Acta, 16	321:149-59	, (2003).
	A6							
		Aisa et al., "Cathepsin B activity in normal human osteoblast-like cells and human osteoblastic osteosarcoma cells (MG-63): regulation by interleukin-1 beta and parathyroid hormone," <i>Biochim Biophy Acta</i> , 1290:29-36, (1996).						
	A7	Argiro et al., "Mepe, th		codir	ng a tumor-secreted	protein i	n oncogeni	c hypophosphatemic
		osteomalacia, is expressed in bone," Genomics, 74:342-51, (2001).						
	A8	Bai, X. et al., "Partial F						
		Regulating Gene with Endocrinol, 16:2913-2		es to	Endopeptidases on	the X Cr	iromosome	e) Expression," <i>Mol</i>
	A9	Bennick et al., "The loa		natu	re of calcium-hindin	na sites in	salivary ac	cidic praline-rich
		phosphoproteins," J B				ig onco in	Julivary at	sidio praime-non
	A10	Bhargava et al., "Ultrastructural analysis of bone nodules formed <i>in vivo</i> by isolated fetal rat calvaria cells," <i>Bone</i> , 9:155-63, (1988).				solated fetal rat calvaria		
	A11			of Ph	HEX endopeptidase	catalytic	activity: Ide	entification of parathyroid-
		hormone-related pepti	de 107-13	9 as	a substrate and ost	eocalcin,	PPi and ph	nosphate as inhibitors,"
		Biochem J, 355(Pt 3):7				 		
	A12				xyvitamin D3 and a	diphosph	nonate on c	calcium metabolism in rats,"
	A13	Am J Physiol, 229(2):402-8, (1975). Brostor et al. "Sorum MEDE ARARM portidos era elevated in vi linked sieketa (UVD) and access					s (HVD) and source	
	7.3	Bresler et al., "Serum MEPE-ARARM peptides are elevated in x-linked rickets (HYP) and cause phosphaturia and defective mineralization," <i>J Endocrinol</i> , 183:R1-R9, (2004).						
	A14	Cai, Q. et al., "Brief report: inhibition of renal phosphate transport by a tumor product in a patient with						
		oncogenic osteomalacia," N. Engl. J.Med., 330:1645-49, (1994).						
	A15	and cleaves peptides derived from fibroblast growth factor-23 and matrix extracellular					ecificity for acidic residues	
							acellular	
	A16	phosphoglycoprotein," Biochem J, 373(Pt 1):271-9, (2003).				od from power		
	AIO	Carpenter et al., "Osteocalcin production in primary osteoblast cultures derived from normal and Hyp mice," Endocrinology, 139:35-43, (1998).				ed from normal and Hyp		
	A17	Chen et al., "Differentia				otein (BM	P) receptor	r type IB and IA in
		differentiation and specification of Cell Biol, 142:295-305, (1998).			senchymal precurs	or cells to	osteoblast	and adipocyte lineages," J

Examiner Signature:	Date Considered:
EVAMINED: Initial if reference appointment whether as not at	Assiss in the contract of the

			Complete if Known
INFORMATION DISCLOSURE STATEMENT LIST		Application No.	10/567,938
(Use as many sheets as necessary)		Filing Date	February 9, 2006
(OSE as mai	ly sheets as necessary)	First Named Inventor	Rowe, Peter S.N.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
A18	De Beur, "Tumors associated wi	th oncogenic osteomala	cia express genes important in bone and mineral
	metabolism," J Bone Miner Res,	17:1102-10, (2002).	
A19	Donath and Breuner, "A method	for the study of undecal	cified bones and teeth with attached soft tissues.
A20	The Sage-Schliff (sawing and gr Drezner, "Tumor-induced osteon	nding) technique," J Ora	al Patnol, 11(4):318-26, (1982).
	1 · · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
A21	phosphate transport," Am J Phys	siol Cell Physiol, 283:C1	
A22	in favor of an intrinsic osteoblast	defect," J Bone Miner F	
A23	Ecarot et al., "Effect of 1,25-dihy normal and X-linked hypophospl	droxyvitamin D3 treatmenatemic mice," J Bone M	ent on bone formation by transplanted cells from <i>liner Res</i> , 10:424-31, (1995).
A24	Ecarot et al., "Effect of dietary pl	nosphate deprivation and	d supplementation of recipient mice on bone
	7(5):523-30, (1992).	rom normal and X-linked	hypophosphataemic mice," J Bone Miner Res,
A25		ort hy asteahlasts from X	(-linked hypophosphatemic mice," Am J Physiol,
'45	266:E33-E38, (1994).	or by ostcobiasts nom?	t-linked hypophosphatemic mice, Am 5 Fhysioi,
A26	Econs et al., "Tumour induced osteomalacia-unveiling a new hormone," New Engl J Med, 330(23), 1679-81 (1994).		
A27	Feng et al., "NF-kappaB specifically activates BMP-2 gene expression in growth plate chondrocytes in		
A28	vivo and in a chondrocyte cell lin	e in vitro," <i>J Biol Chem,</i>	31:229130-35, (2003). one sialoprotein, and osteopontin," <i>Biochemical</i>
720	and Biophysical Research Comr		
A29	Frances et al., "A gene (PEX) wi	th homologies to endope	eptidases is mutated in patients with X-linked
	hypophosphatemic rickets," Nat	Genet, 11:130-6, (1995)	
A30			gene mutated in X-linked dominant
A31	hypophosphataemic rickets," Ge		am phosphate crystals in vitro and pathological
^31	calcification in vivo," Science, 16		om phosphate crystals in vitro and pathological
A32			asome stimulate bone formation in vivo and in
	vitro," J Clin Invest, 111(11):177	1-82, (2003).	
A33	Gowen, et al., "Targeted disrupti	on of the osteoblast/oste	eocyte factor 45 gene (OF45) results in increased
A 2.4	bone formation and bone mass, <i>J Biol Chem</i> , 278:1998-2007, (2003).		
A34 A35	Grant No. 1RO-3 DE015900-01 – Awarded by the National Institute of Dental and Craniofacial Research. Grant No. RO-1 AR51598-01 – Awarded by the National Institute of Arthritis and Musculoskeletal Skin		
	Diseases.		
A36	Green et al., "Evidence for a PTH-independent humoral mechanism in post-transplant hypophosphatemia and phosphaturia," <i>Kidney Int</i> , 60:1182-96, (2001).		
A37	Guo et al., "Analysis of recombin Endocrinol Metab, 281:E837-47,	ant Phex: an endopeption	dase in search of a substrate," Am J Physiol
A38	Guo et al., "Inhibition of MEPE cl	eavage by PHEX," Bioc	hem Biophys Res Comm, 297(1):38-45, 2002.
A39	Halstead et al., "Comparison of 22-oxacalcitriol and 1,25(OH)2D3 on bone metabolism in young X-linked hypophosphatemic male mice," <i>American Journal of Physiology</i> , 270:E141-47, (1996).		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not cital considered. Include copy of this form with next communication to	ation is in conformance with MPEP 609; Draw line through citation if not in conformance and not applicant.
348970_9.doc	

		<u> </u>	Complete if Known
INFORMATION DISCLOSURE STATEMENT LIST		Application No.	10/567,938
, ,		Filing Date	February 9, 2006
(Use as mar	ny sheets as necessary)	First Named Inventor	Rowe, Peter S.N.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
A 40	I there's and all WESS and a Change		
A40	Harris et al., "Effects of transforming growth factor beta on bone nodule formation and expression of bone morphogenetic protein 2, osteocalcin, osteopontin, alkaline phosphatase, and type I collagen mRNA in long-term cultures of fetal rat calvarial osteoblasts," <i>J Bone Miner Res</i> , 9:855-63, (1994).		
A41	Harris et al., "Expression of bone calvarial cells," <i>J Bone Miner Re</i>	e morphogenetic protein	messenger RNA in prolonged cultures of fetal rat
A42			2 accelerates bone cell differentiation and
	stimulates BMP 2 mRNA expres- cultures," Mol Cell Diff, 3:137-15	sion and BMP2 promote	er activity in primary fetal rat calvarial osteoblast
A43	2:552-8, (2003).		ssembled dentin matrix protein 1," Nat Mater,
A44	calcium oxalate crystals," Kidney	/ Int, 60:77-82, (2001).	ress crystallization by inhibiting the growth of
A45	PCT/US2004/030530.		mailing March 30, 2006, Application No.
A46	International Search Report, date	e of mailing; 3/7/2006, A	pplication No. PCT/US2004/030530.
A47	Invitation To Pay Additional Fees	s, date of mailing 03/24/2	2005, Application No. PCT/US2004/030530.
A48	Abstract A2141, pp 408A, (2000)).	hosphatemic (Hyp) mice," J Am Soc Nephrol 11,
A49	Abstract A3881, pp 743A, (2001)).	ntial role of cathepsin D," J Am Soc Nephrol 12,
A50	opossum kidney cells," J Endocr	inol, 169:613-20, (2001)	
A51	the Hyp mouse," Kidney.Int, 50:1	531-38, (1996).	nediated inhibition of renal phosphate transport in
A52	man," Clin Sci (Lond), 74:101-6,	(1988).	us and oral etidronate on vitamin D metabolism in
A53	(1999).	- ·	the Kell blood group protein," Blood 94, 1440-50,
A54	Lemire et al., "Secretion of a type II integral membrane protein induced by mutation of the transmembrane segment," <i>Biochem J</i> , 322(Pt 1):335-42, (1997).		
A55	Liu et al., "Regulation of FGF23	expression but not degra	adation by phex," <i>J Biol Chem</i> , 21:21, (2003).
A56	Liu et al., "Overexpression of Phex in osteoblasts fails to rescue the Hyp mouse phenotype," <i>J Biol Chem</i> , 277:3686-97, (2002).		
A57	Loghman-Adham and Dousa, "Dual action of phosphonoformic acid on Na(+)-phosphate cotransport in opossum kidney cells," <i>Am J Physiol</i> , 263:F301-10, (1992).		
A58	Long et al., "A peptide that inhibits hydroxyapatite growth is in an extended conformation on the crystal surface," <i>Proc Natl Acad Sci,</i> " <i>USA</i> , 95:12083-7, (1998).		
A59	MacDougall et al., "MEPE/OF45, diseases mapping to chromosom	a new dentin/bone mate	rix protein and candidate gene for dentin e Res, 43:320-30, (2002).
A60	McCloskey et al., "Comparative effects of intravenous diphosphonates on calcium and skeletal metabolism in man," <i>Bone</i> , 8(Suppl 1):S35-41, (1987).		
A61	McCloskey et al., "Diphosphonates and phosphate homoeostasis in man," Clin Sci (Lond), 74:607-12, (1988).		

Examiner Signature:	Date Considered:
Examiner digitatore.	Date Considered.
	<u></u>

			Complete if Known		
INFORMATION DISCLOSURE STATEMENT LIST		Application No.	10/567,938		
(Use as many sheets as necessary)		Filing Date	February 9, 2006		
(Use as in	any sneets as necessary)	First Named Inventor	Rowe, Peter S.N.		
		Group Art Unit	Unassigned		
		Examiner Name	Unassigned		
1 46	Mover et al. "Perebienie augges				
A62	Bone Miner Res, 4(4):493-500,	sis a numoral lactor is inv (1989)	volved in X-linked hypophosphataemia in mice,".		
A6:			rmal mice parabiosed to X-linked		
			my," J Bone Miner Res, 4(4):523-32, (1989).		
A64	Miao et al., "Osteomalacia in hy	p mice is associated with	abnormal phex expression and with altered		
	bone matrix protein expression				
A65		ytoma induced osteomal	acia: Tumour transplantation in nude mice		
	causes hypophosphataemia and	tumour extracts inhibit	renal 25-hydroxyvitamin D a1-hydroxylase		
400	activity, J.Clin.Endocrinol.Metal		****		
A66			ential for synaptic vesicle endocytosis," J		
A67	Neurosci, 20(23):8667-76, (2000	U). Lidomain NDE matifiator	actions regulate clathrin coat assembly during		
70	synaptic vesicle recycling," <i>J Bio</i>				
A68			resynaptic terminals: Roles for Hsc70 and		
7.00	auxilin," Neuron, 32(2):289-300,	(2001)	resynaptic terminals. Notes for riscro and		
A69	Mundy et al., "Stimulation of bor	ne formation in vitro and	in rodents by statins," Science, 286:1946-9,		
	(1999).		1545/116 by stating, 55/6/166, 266.1646 6,		
A70		rational regulationof PH	EX and renal phosphate transport inhibitory		
			X in X-linked hypophosphatemia," J Bone Miner		
	Res, 14:2027-35, (1999).				
A7	Nesbitt et al., "Crosstransplanta	ation of kidneys in norm	al and Hyp mice: Evidence that the Hyp mous		
	phenotype is unrelated to an intr	rinsic renal defect," J Clir	n Invest, 89:1453-59, (1992).		
A72			cultures from the renal proximal tubule of normal		
:	and Hyp mice: evidence that the	HYP gene locus produc	HYP gene locus product is an extrarenal factor," J Bone Miner Res,		
A73	10:1327-33, (1995).	nduced activation of latent transforming growth factor-beta by normal			
A/S	human osteoblast-like cells," En	duced activation of laten	t transforming growth factor-beta by normal		
A74	Petersen et al "Identification of	osteoblast/osteocyte fac	o, (1993). ctor 45 (OF45) a bone specific cDNA encoding a		
0'-	RGD containing protein that is h	ighty expressed in asten	blasts and osteocytes," <i>J Biol Chem</i> , (2000).		
A75	Oin et al. "Evidence for the prote	eolytic processing of der	ntin matrix protein 1: Identification and		
/	characterization of processed fra	agments and cleavage si	ites," J Biol Chem, 17:17, (2003).		
A76			phosphate homeostasis and skeletal		
	mineralization," Am J Physiol En				
A77	Quarles et al., "Pathophysiology	of X-linked hypophosph	atemia, tumor-induced osteomalacia, and		
	autosomal dominant hypophosphatemia: a perPHEXing problem," J Clin Endocrinol Metab, 86:494-6,				
	(2001).				
A78	Raj et al., "Salivary statherin. De	pendence on sequence,	charge, hydrogen bonding potency, and helical		
		ydroxyapatite and inhibit	ion of mineralization," J Biol Chem, 267:5968-76		
	(1992).	- 4 OF 19 1			
A79			D not requiring high performance liquid		
			ndocrinol Metab, 58:91-8, (1984).		
A80	Triias et al., Skeietai casein kina	ase activity detect in the I	HYP mouse," Calcif. Tissue Int, 61:256-59,		

Examiner Signature:	Date Considered:
EXAMINED: Initial if reference considered subother or not eit	inting in in conformance with MDED COO. Day 15 at 1 at 15 at 15

		- 	Complete if Known	
INFORMATION DISCLOSURE STATEMENT LIST		Application No.	10/567,938	
(1)		Filing Date	February 9, 2006	
(Use as man	(Use as many sheets as necessary)		Rowe, Peter S.N.	
		First Named Inventor Group Art Unit	Unassigned	
		Examiner Name	Unassigned	
A 0.4	D:6	L	<u> </u>	
A81	depressed intracellular pH," Calo		ked hypophosphatemic mice is associated with a	
A82			nsible for mediating the renal defects in oncogenic	
	hypophosphatemic osteomalacia			
A83	Rowe et al., "Distribution of muta	itions in the PEX gene ir	n families with X-linked hypophosphataemic	
	rickets (HYP)," Hum Mol. Genet,			
A84	Rowe et al., "MEPE has the prop	perties of an osteoblastic	phosphatonin and minhibin: evidence for a novel	
AOF	PHEX-mediated mechanism," Bo	one, 34:303-19, (2004).		
A85	Genomics, 67:54-68, (2000).	expressed in bone mar	row and tumors causing osteomalacia,"	
A86		onance (SPR) confirms	that MEPE binds to PHEX via the MEPE-	
7.00			nked rickets (HYP)," Bone, 36(1):33-46, (2004).	
A87			rickets maps to a 200-300 kb region in Xp22.1.	
			min D response element (VDRE)," Human	
	Genetics, 97:345-52, (1996).			
A88		athways of FHF23, MEP	E and PHEX," Curr Review Oral Biol & Med,	
400	15(5):264-81, (2004).			
A89	locus (Xp22.1-22.2)," Hum Gene	c map for the region flan	king the X-linked hypophosphataemic rickets	
A90	Rowe Presentation - ASBMR 25	t, 90.291-4, (1994). The Annual Meeting Minn	eapolis, September 18-23, 2003, presented on	
7.00	September 19, 2003. (Abstract).		eapoils, September 10-25, 2005, presented on	
A91			s and Oncogenic Osteomalacia," Hum Genet,	
	94(5):457-67, (1994).			
A92	Rowe, "The PEX gene: its role in	X-linked rickets, osteon	nalacia, and bone mineral metabolism," Exp	
	Nephrol., 5:355-63, (1997).			
A93	Rowe, "The role of the PHEX ge	ne (PEX), in families with	h X-linked hypophosphataemic rickets," Current	
404	Opinion in Nephrology & Hyperte			
A94			ic rickets," Arch Dis Child, 83:192-4, (2000).	
A95			oteins," Bone, 21:305-11, (1997).	
A96	Sanderson and Bachus, "Staining	g technique to differentia	ate mineralized and demineralized bone in	
	ground sections," J Histotechnol,			
A97	Schlesinger and Hay, "Complete covalent structure of statherin, a tyrosine-rich acidic peptide which			
100	inhibits calcium phosphate precipitation from human parotid saliva," <i>J Biol Chem,</i> 252:1689-95, (1977).			
A98	Schwartz et al., "Inhibition of calcium phosphate precipitation by human salivary statherin: structure-			
A99	activity relationships," Calcif Tissue Int, 50:511-7, (1992). Shih et al., "Effects of PHEX antisense in human osteoblast cells," J Am Soc Nephrol, 13:394-9, (2002).			
A100				
~100	Shimada et al., "Cloning and characterization of FGF23 as a causative factor of tumor-induced osteomalacia," <i>Proc Natl Acad Sci USA</i> , 98:6500-5, (2001).			
A101			al dominant hypophosphatemic rickets is	
	resistant to proteolytic cleavage	and causes hypophosph	ypophosphatemia in vivo," Endocrinology, 143:3179-82,	
	(2002).		,	

Examiner Signature:	Date Considered:
EVANINED. 19115	

			Complete if Known
INFORMATION DIS	CLOSURE STATEMENT LIST	Application No.	10/567,938
(Use as many sheets as necessary)		Filing Date	February 9, 2006
(USE as man	y silects as fiecessary)	First Named Inventor	Rowe, Peter S.N.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
A102			elanoma cells engineered to secrete granulocyte- diated gene transfer augments antitumor
	immunity in patients with metasta	atic melanoma," J Clin C	Oncol, 1(17):3343-50, (2003).
A103	Stoll et al., "Effect of diphosphon Am J Physiol, 239:F13-6, (1980)		nate transport by renal brush border vesicles,"
A104	Strom et al., Hum Mol Gent, 6(2)):165-71, (1997).	
A105	Trechsel et al., "Relation betwee treated rats," Am J Physiol, 232(n bone mineralization, C 3):E298-305, (1977).	a absorption, and plasma Ca in phosphonate-
A106	Bioassays, 23:261-9, (2001).	•	pendopeptidases: genomics and function.
A107	Unterbrink et al., "Characterization The IADR/AADR/CADR 80th Ge	on of MEPE genomic org eneral Session, San Dieg	ganization and expression during odontogenesis," go, California, Seq: 304, Abstract 4117, (2002).
A108	VanScoy et al., "Mechanism of p <i>J Physiol</i> , 255:F984-94, (1988).	hosphaturia elicited by a	administration of phosphonoformate in vivo," Am
A109	Walton et al., "Changes in the re (EHDP) in man," Clin Sci Mol Me		ling of phosphate induced by disodium etidronate
A110	tubules," J Am Soc Nephrol, 14:	139-47, (2003).	m oxalate crystal formation and retention in renal
A111	Nature Genetics, 26:345-8, (200	0).	ickets is associated with mutations in FGF23,"
A112	White et al., "The autosomal dominant hypophosphatemic rickets (ADHR) gene is a secreted polypeptide overexpressed by tumors that cause phosphate wasting," <i>Journal of Clinical Endocrinology and Metabolism</i> , 86:497-500, (2001).		
A113	Wilkins et al., "Oncogenic osteomalacia: evidence for a humoral phosphaturic factor," <i>J Clin Endocrinol Metab</i> , 80:1628-34, (1995).		
A114		on defect in Hyp mouse	osteoblasts," Am J Physiol, 275:E700-8, (1998).
A115	Yamamoto et al., "Abnormal response of osteoblasts from Hyp mice to 1,25-dihydroxyvitamin D3," Bone, 13:209-15, (1992).		
A116	Yamashita et al., "Identification of a novel fibroblast growth factor, FGF-23, preferentially expressed in the ventrolateral thalamic nucleus of the brain," <i>Biochem Biophys Res Commun.</i> 277:494-8, (2000).		
A117	Zhao et al., "Bone morphogenic protein receptor signaling is necessary for normal murine postnatal bone formation," J Cell Biol, 157:1049-60, (2002).		
A118			
A119			

Examiner Signature:	Date Considered:
Znamino orginataro.	Date Oblisidered.
	1
	1